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## CLAIMS

1. In a slicer having a table for supporting a workpiece from which a slice is to be sliced, a knife linked to cranks at opposite end portions of the knife for movements of the knife in patterns on x and y of the geometrical plane of cutting having component generally transverse and parallel to the knife and means for moving the table with supported work piece and knife toward each other, the improvement comprising  
controlling means for controlling the movements of the knife by at least one of speed, phase and stroke length of at least one of the cranks.
2. Slicer according to claim 1 wherein the knife ends are in phase and driven by equal speed of cranks.
3. Slice according to claim 1 wherein the knife ends are out of phase and driven by equal speed of cranks.
4. Slicer according to claim 1 wherein the speed of cranks is different. *By 2/18/04*
5. Slicer according to claim 1 wherein the speed of cranks vary between minimum and maximum in a manner of one increasing and the other decreasing simultaneously from bottom and top ranges respectively and alternately.
- ~~6. Slicer according to claim 1 wherein the work piece functions in the same manner as the~~ *By 2/18/04*

6. Slicer according to claim 1 wherein the work piece functions in the same manner as the knife.
7. Slicer according to claim 2 wherein the work piece functions in the same manner as the knife.
8. Slicer according to claim 3 wherein the work piece functions in the same manner as the knife.
9. Slicer according to claim 4 wherein the work piece functions in the same manner as the knife.
10. Slicer according to claim 5 wherein the work piece functions in the same manner as the knife.
11. Slicer according to claim 1 wherein the workpiece functions in the same manner as the knife and knife functions in the same manner as the workpiece.
12. Slicer according to claim 2 wherein the workpiece functions in the same manner as the knife and knife functions in the same manner as the workpiece.

13. Slicer according to claim 3 wherein the workpiece functions in the same manner as the knife and knife functions in the same manner as the workpiece.

14. Slicer according to claim 4 wherein the workpiece functions in the same manner as the knife and knife functions in the same manner as the workpiece.

15. Slicer according to claim 5 wherein the workpiece functions in the same manner as the knife and knife functions in the same manner as the workpiece.

16. Slicer according to claim 1 wherein the number of strokes of knife is greater than the number of strokes of the sliding table.

17. Slicer according to claim 2 wherein the number of strokes of knife is greater than the number of strokes of the sliding table.

18. Slicer according to claim 3 wherein the number of strokes of knife is greater than the number of strokes of the sliding table.

19. Slicer according to claim 4 wherein the number of strokes of knife is greater than the number of strokes of the sliding table.

20. Slicer according to claim 5 wherein the number of strokes of knife is greater than the number of strokes of the sliding table.

21. Slicer according to claim 6 wherein the number of strokes of knife is greater than the number of strokes of the sliding table.

22. Slicer according to claim 7 wherein the number of strokes of knife is greater than the number of strokes of the sliding table.

23. Slicer according to claim 8 wherein the number of strokes of knife is greater than the number of strokes of the sliding table.

24. Slicer according to claim 9 wherein the number of strokes of knife is greater than the number of strokes of the sliding table.

25. Slicer according to claim 10 wherein the number of strokes of knife is greater than the number of strokes of the sliding table.

26. Slicer according to claim 11 wherein the number of strokes of knife is greater than the number of strokes of the sliding table.

27. Slicer according to claim 12 wherein the number of strokes of knife is greater than the number of strokes of the sliding table.

28. Slicer according to claim 13 wherein the number of strokes of knife is greater than the number of strokes of the sliding table.

29. Slicer according to claim 14 wherein the number of strokes of knife is greater than the number of strokes of the sliding table.

30. Slicer according to claim 15 wherein the number of strokes of knife is greater than the number of strokes of the sliding table.